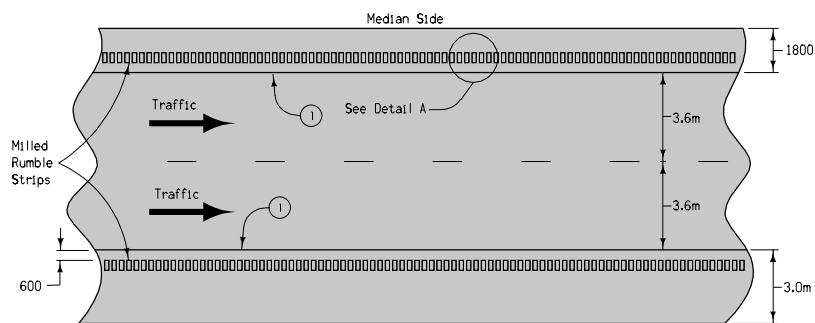
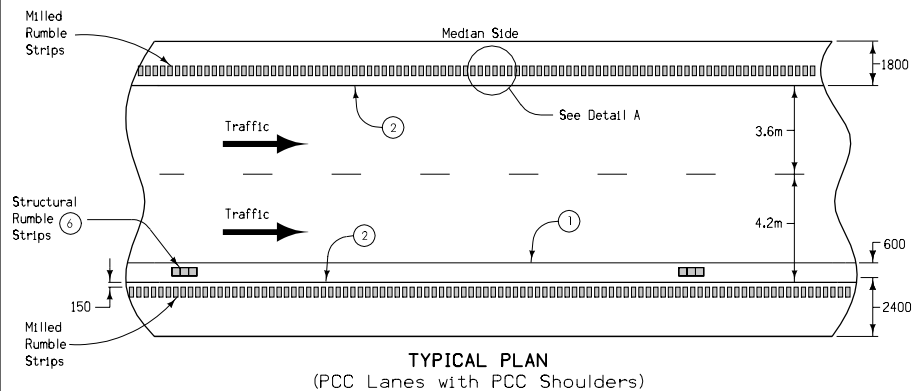


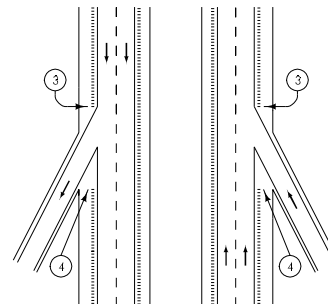
TYPICAL PLAN
(PCC Lanes with HMA Shoulders)



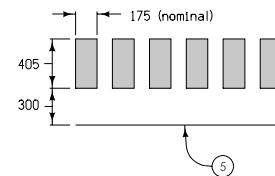
TYPICAL PLAN
(HMA Lanes with HMA Shoulders)



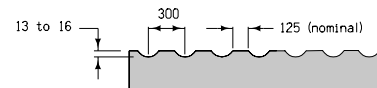
TYPICAL PLAN
(PCC Lanes with PCC Shoulders)



RAMPS AND LOOPS



DETAIL A
Plan View



DETAIL A
Profile View


GENERAL NOTES:

Contract items:

Milled Shoulder Rumble Strips, HMA Surf.
Milled Shoulder Rumble Strips, PCC Surf.
Asphalt Emulsion for Fog Seal (Shoulders)

- ① Painted edge line.
- ② Edge of pavement.
- ③ End rumble strip at lane taper.
- ④ End rumble strip at gore area.
- ⑤ Painted edge line (HMA) or edge of pavement (PCC).
- ⑥ Structural Rumble Strips done by others as per RH-60.

All dimensions given in millimeters unless noted.

METRIC VERSION		Iowa Department of Transportation Highway Division	
		STANDARD ROAD PLAN	RH-61
		REVISION: Change offset to Milled Rumble strips on outside shoulders and add bid item for fog seal.	REVISION NO. 2
		<i>William J. Sten</i>	REVISION DATE 04-20-04
		APPROVED BY DESIGN METHODS ENGINEER	
		SHOULDER RUMBLE STRIPS (Interstates)	